

L6 ANSWER 1 OF 1 CA COPYRIGHT 2009 ACS on STN

AN 101:27545 CA

OREF 101:4297a, 4300a

ED Entered STN: 21 Jul 1984

TI Calcium silicate hydrate products

PA Asahi Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC C04B015-06

CC 58-4 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | JP 59045953 | A | 19840315 | JP 1982-150653 | 19820901 |
| PRAI | JP 1982-150653 | | 19820901 | | |

CLASS

| | PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
|--|-------------|-------|---------------------------------------|
| | JP 59045953 | IC | C04B015-06 |
| | | IPCI | C04B0015-06 |
| | | IPCR | C04B0028-00 [I,C*]; C04B0028-18 [I,A] |

AB Ca silicate gel, siliceous substances and/or CaO, water, and reinforcing materials are mixed, molded to blocks, cut, and treated with saturated steam in autoclaves to give Ca silicate hydrate products. Thus, diatomaceous earth 100, Ca(OH)₂ 80, and water 540 parts were mixed, heated at 90° for 3 h, mixed with portland cement 50, silica stone powder 50, and pulp 4 parts, shaped to blocks at 40°, cut, treated with saturated steam at 180° in an autoclave for 10 h, and dried at 110° to obtain a fire-resistant product with bulk d. 0.50, bending strength 29.0 kg/cm², and thermal conductivity 0.085 kcal/m-h-degree.

ST calcium silicate hydrate shaped

IT Cement
(building blocks from calcium silicate hydrate and siliceous stone and)

IT Kieselguhr
RL: USES (Uses)
(calcium silicate hydrate from calcium hydroxide and, for building blocks with cement and stone)

IT Pulp, cellulose